



## ENVIRONMENTAL MANAGEMENT PROGRAM REFUSE DISPOSAL DIVISION



### Groundwater

Process Map Number(s): GW-1.0, GW-1.1

**Background / Purpose:** The purpose of this EMP is to minimize the amount of purge water generated at the Arizona Street Landfill and, upon successful implementation, throughout the Miramar and Chollas landfills as well. This EMP will also improve Quality Assurance/Quality Control (QA/QC) through standardize sample collection procedures by eliminating the need for contractors and specialized equipment to obtain groundwater (GW) samples in the GW wells at the Arizona St. Landfill.

**Objective:** Resource Conservation Effort, Continuous Improvement

**Related Significant Aspects:** Purge Water Handling

**Target:** Standardize groundwater sample collection program and decrease purge water generation at the Arizona Street landfill by approximately 90%. Export program to remaining landfills pending successful implementation.

**Target Completion Date(s):** Complete “contracted” Arizona St. micro-purge sampling event by May 30, 2001, Complete “micro purge procedure” training for City staff and conduct GW sampling event by November 30, 2001.

**Action Plan:** Initiate “micro purge” sample collection procedures at Arizona Street landfill, Complete city staff training, conduct follow-on sample event at Arizona St. Landfill, review data for export potential.

**Responsible Person(s):** Assistant Engineer (Groundwater), Landfill Maintenance Technicians (LMT)

**Resources Required:** GW Sampling Contractor for Arizona St. “micro purge” event, City staff training, “micro purge controller”, GW sampling equipment.

**Environmental Performance Indicator(s):** Micro purge sampling events completed, “Micro purge” Standard Operating Procedures (SOPs) developed and City staff training completed.

**Comments (including other expected benefits or cost savings):**

**Baseline Data:** The purge water generated at Arizona Street averages approximately 500 gallons per event based on the previous two GW sampling events. Micro purge data will be derived from the May and November, 2001 sampling events.

**Approved by:** Ray Purtee  
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<b>EMP Schedule</b>					
<b>Step</b>	<b>Action Items</b>	<b>Responsibilities</b>	<b>Role</b>	<b>Schedule</b>	<b>Resources Required</b>
1	Micro Purge sampling SOP developed	Asst. Eng. (GW)	Lead	5/14/01	Consultant SOP
2	“Contracted” Micro Purge sampling event at Arizona Street	Asst. Eng. (GW) LMTs	Lead Support	5/30/01	Consultant, LMTs, pumps, controller, sampling equipment
3	LMTs trained on “micro purge procedures	Asst. Eng. (GW)	Lead	5/30/01	Consultant, LMTs
4	City staff “micro purge” sampling event at Arizona Street	Asst. Eng. (GW) LMTs	Lead Support	11/19/01	SOP, pumps, controller, sampling equipment